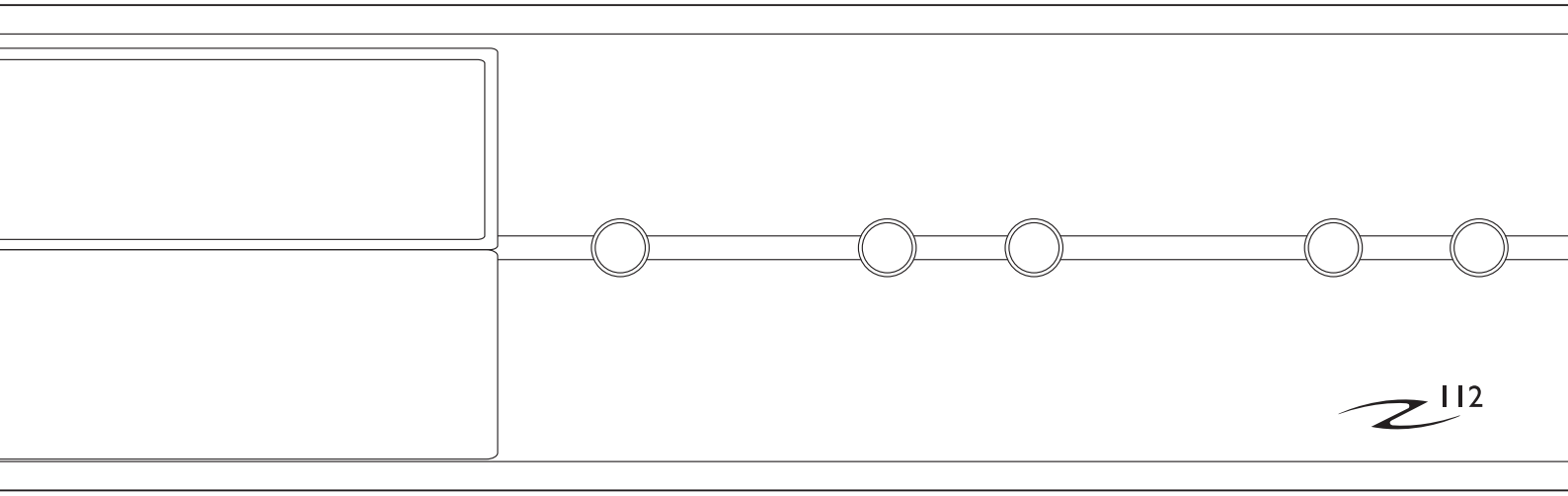
Z-SERIES

Z112 Remote Controlled CD Player

Owner's manual



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INTRODUCTION

The Myryad Z112 has been designed to offer a combination of high quality sound reproduction and elegant styling in keeping with other Myryad Z-Series products.

The Z112 is a full-function remote-controlled CD player. It has fixed-level low-impedance audio outputs to drive a Myryad integrated amplifier or pre-amplifier - or other high quality amplifier. In addition it has a digital output on a single RCA phono socket (SPDIF standard), suitable for feeding a digital recorder or processor.

The Z112 also has a Smart My-Link® control input and output for communication with other Myryad Z-Series or MX Series products.

The Z112 offers a range of expansion possibilities:

- The digital output can be used to feed a digital recorder or processor.
- The Smart My-Link® input can be connected to a Myryad integrated amplifier or pre-amplifier so that the Z112 will automatically be switched on or off when the amplifier is switched on or off.
- The Smart My-Link® input/output can be coupled to other Myryad products that can then be remote-controlled via the Z112's infra-red receiver - or vice-versa.
- The Z112 can be controlled from a remote room via its Smart My-Link® input.
- When linked via the Smart My-Link® to a compatible Myryad integrated amplifier or preamplifier a number of extra features become available which make the system as a whole easier and quicker to operate.

INSTALLATION AND SAFETY

This CD player generates very little heat but still requires some ventilation. Do not place it on a rug or other soft surface into which it could sink, obstructing the air inlets in its underside. Do not allow any obstruction to the ventilation slots in the rear panel. The CD player should not be installed in a built-in situation such as a bookcase or rack unless proper ventilation is provided.

CAUTION: THIS APPARATUS MUST NOT BE EXPOSED TO DRIPPING OR SPLASHING. OBJECTS FILLED WITH LIQUIDS SUCH AS VASES MUST NOT BE PLACED ON THE APPARATUS.

THE REAR PANEL POWER SWITCH DISCONNECTS MAINS LIVE ONLY. THE POWER CORD MUST BE DISCONNECTED FROM THE REAR OF THE APPARATUS, OR THE WALL SOCKET, TO PROVIDE TOTAL ISOLATION. ONE OR OTHER OF THESE CONNECTIONS MUST BE READILY ACCESSIBLE WHEN THE APPARATUS IS IN USE.

Do not remove the cover, or attempt to modify or repair the CD player yourself. Refer all servicing to a qualified technician.

The CD laser radiation is Infra-Red, so you cannot see it. If the cover is removed for any reason, you MUST pay attention to the following warning.

CAUTION - INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

ATTENTION - RADIATION INVISIBLE DU LASER QUAND OUVERT. NE PAS REGARDER FIXEMENT LE RAYON OU DIRECTEMENT AVEC DES INSTRUMENTS D'OPTIQUE.

WARNUNG - UNSICHTBARE LASERSTRAHLEN IN GEÖFFNETEM ZUSTAND VORHANDEN. NICHT IN DEN STRAHL BLICKEN BZW DIREKT MIT OPTIKINSTRUMENTEN ANSEHEN.

ADVARSEL - USYNLIG LASERSTRÅLING VED ÅBNING. SE IKKE IND I STRÅLEN - HELLER IKKE OPTISKE INSTRUMENTER.

ADVARSEL - USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.

VARNING - OSYNLIG LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT.

VAROI AVATAESSA OLET ALTTIINA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ TUIJOTA SÄTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LÄPI.

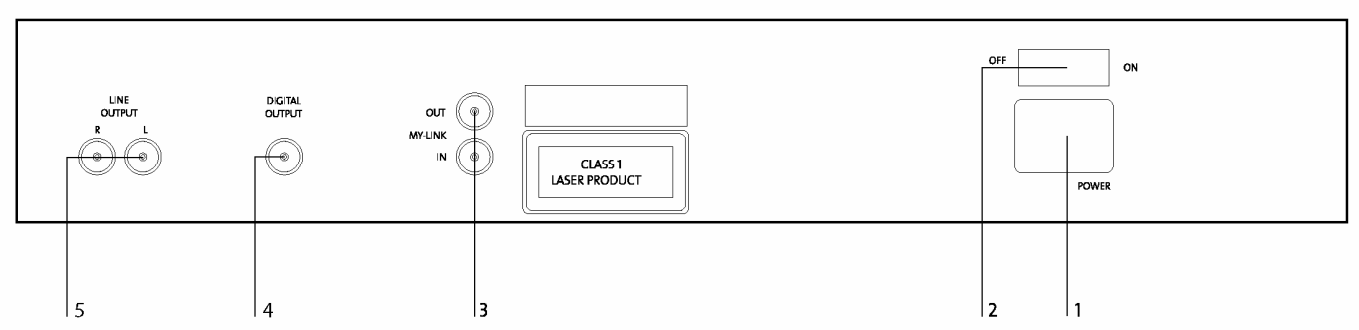
This product complies with DHHS 21 CFR Chapter 1, Subchapter J.

ACCESSORIES

Your Z112 is supplied complete with the following accessories:

- Separate mains power cord to suit country of sale.
- My-Link interconnect (0.5m RCA-RCA)
- Remote control handset.
- Two AAA batteries for handset (not in some countries)
- MSR2 System Remote Control Owner's Manual

SETTING UP YOUR CD PLAYER



REAR PANEL CONNECTIONS

1. Power Inlet

Before making any connection, check that the mains voltage marked on the rear panel is the same as your local mains supply.

Plug the female (socket) end of the power cord into the power inlet on the rear of the CD player, making sure it is pushed in firmly. Plug the male (plug) end of the cord into a "live" wall socket or a suitable heavy-duty extension cable.

2. Power Switch

Press one side of this rocker switch (the side nearer the edge of the rear panel) to switch the CD player ON and the other side (towards the output sockets) to switch it OFF. When the POWER switch is in the OFF position all power is disconnected from the CD player. In this condition the CD player cannot be powered up from the front panel or the remote control. When the POWER switch is in the ON position (and the power cord correctly inserted and plugged in to a live wall socket) the CD player will power up in standby mode (see FRONT PANEL CONTROLS, STANDBY, page 4).

It is recommended that the POWER switch is turned OFF if the CD player is not going to be used for an extended period of time.

3. Digital output

This is a serial electrical digital output to the "SPDIF" standard. It should be connected via a suitable interconnect to the SPDIF input of a separate DAC (Digital-to-Analogue-Converter), digital pre-amp or digital recorder. The cable should be of standard 75Ω impedance for best performance.

4. My-Link input/output

When this CD player is used in a system with other Z-Series products (or Myryad MX-Series), all may be joined together via the My-Link. My-Link is a communications bus that allows all the linked components to operate together as a system and distributes the remote commands received by any one to each of the others.

The simplest function provided by the My-Link bus is that all linked units will switch into or out of standby mode when the amplifier's front panel or remote control standby key is pressed.

The My-Link bus allows any linked product to be remote-controlled via the CD player's infra-red receiver - or vice-versa.

The CD player (or any other product on the My-Link bus) can be controlled from a remote room via a suitable interface to the My-Link bus.

Use a short RCA-to-RCA (phono-to-phono) interconnect cable to connect from the MY-LINK IN socket on the Z112 to the MY-LINK OUT socket on the amplifier. A second cable may then be run from the MY-LINK OUT socket on Z112 to the MY-LINK IN socket on a Myryad tuner – "daisy-chain" fashion. Further compatible Myryad products can be linked in the same way, running from the MY-LINK OUT socket on the tuner. Inexpensive interconnects may be used as the My-Link bus carries only control signals, not audio, so these cables have no effect on sound quality.

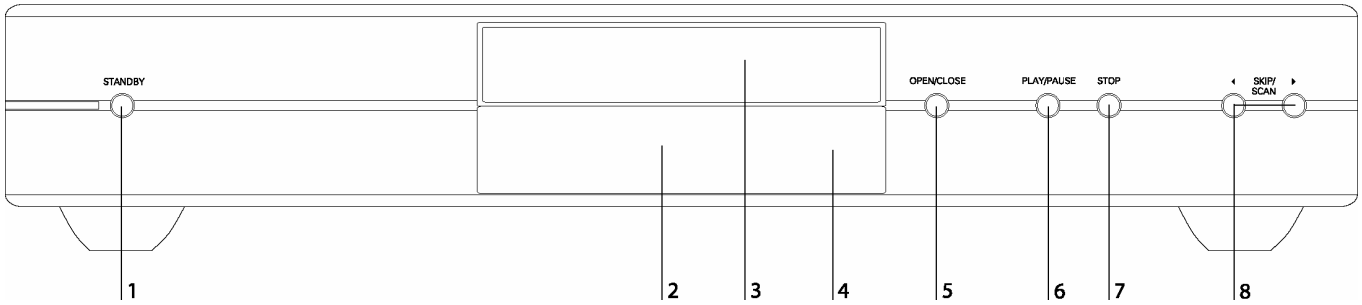
When other Myryad products equipped with Smart My-Link® (e.g. Z-Series or MX-Series) are connected via the My-Link many more powerful system features are available (see page 6).

5. Line outputs

These outputs are suited to the "CD" or other "Line" inputs (e.g. AUX or TUNER) of any integrated amplifier or pre-amplifier.

Never connect to the amplifier's PHONO inputs.

OPERATING YOUR CD PLAYER



FRONT PANEL CONTROLS

1. STANDBY

When the CD player is plugged into a live wall socket and the POWER switch is turned ON, it will power up in "standby" mode and the LED (Light Emitting Diode) by the STANDBY button will glow red. In this mode the internal circuitry of the Z112 is powered up but disabled, so that it consumes very little power and its audio output is muted by a relay.

When the STANDBY button is pressed the Z112's circuitry will be activated and, after a few seconds delay, the audio outputs will be enabled. During this delay period the STANDBY LED in the display will flash blue. When the outputs are un-muted it will glow blue continuously. The blue coloured display will illuminate, briefly showing "READ", followed by "NO DISC".

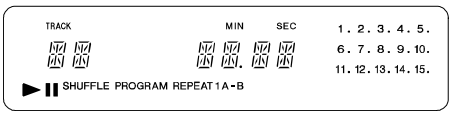
When the STANDBY button is pressed again the CD player will be returned to standby mode, the LED in the display will glow red again and the display will be extinguished.

CAUTION: WHEN IN STANDBY MODE THE INTERNAL CIRCUITRY OF THE Z112 IS STILL LIVE, SO ALL SAFETY PRECAUTIONS MUST BE FOLLOWED.

2. Display

The operation of the player is indicated on a high quality blue Vacuum Fluorescent Display (VFD). Track number and track time are shown simultaneously, together with indication of the operating mode - see Figure 1 below**.**

Whole CD display (Figure 1**)**



3. Disc drawer

The OPEN/CLOSE button controls the drawer. It will accept either normal 120mm CDs, or small 80mm CDs.

4. Infra-red receiver

The infra-red (IR) remote control receiver is mounted behind the window, just to the right of the display. It must not be obscured when the CD player is to be operated using the remote control handset. Where possible it is best to arrange that the IR receiver is in "line-of-sight" of the remote handset. When components are connected via the My-Link bus, only one needs to receive IR command signals in order to control any of the linked units.

5. OPEN/CLOSE

Press this button to open or close the disc drawer. The drawer may also be closed by pushing the drawer front gently. When the drawer is open the display read "OPEN". When the drawer is closed with no disc in the player the display will read "NO DISC".

When a disc is inserted and the drawer closed the display will indicate "READ" briefly while it reads the disc's Table of Contents (TOC). The display will then show the total number of tracks and total playing time of the disc (see Figure 2). This condition is called STOP mode.

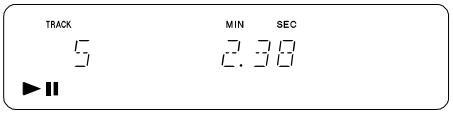
Table of contents (Figure 2)

6. PLAY/PAUSE

When a disc is present and the player is in STOP mode, a single press of the PLAY/PAUSE key will start the disc playing from the first track, and illuminate the ► symbol. When the disc is playing, pressing PLAY/PAUSE again will put the player in PAUSE mode and illuminate ►II (see Figure 3). In PAUSE mode the disc is still spinning and the laser head is kept at the same location, so that if PLAY/PAUSE is pressed yet again the disc will re-start from exactly the same point in the music at which it was originally paused.

With the disc drawer open, it is possible to load a disc and press PLAY/PAUSE directly (without pressing OPEN/CLOSE). This action causes the drawer to close and the disc to start playing from the first track. The TOC is not displayed.

Pause mode (Figure 3)



7. Stop

When the STOP button is pressed the music stops playing, the disc stops spinning, the laser head is returned to the beginning of the disc and the TOC is displayed. The player is now in STOP mode.
The player automatically returns to STOP mode when a disc has finished playing.

8. Skip/scan ◀▶

The SKIP/SCAN keys are used to select the track, or section within a track, to be played. A brief press of one of these keys invokes the SKIP function. Pressing the key and holding it down continuously invokes the SCAN function.

While a disc is playing, pressing SKIP/SCAN ▶ briefly will cause the player to skip to the beginning of the next track. If SKIP/SCAN ◀ is pressed once, the player will skip to the beginning of the current track. If SKIP/SCAN ◀ is pressed twice in quick succession the player will skip to the beginning of the previous track. Repeated pressing of SKIP/SCAN ▶ or ◀ will make the player skip forward or back over any number of tracks. When playing the last track of a disc, SKIP ▶ will "wrap around" to track 1 (and similarly, SKIP ◀ from track 1 will skip to the last track). The SKIP keys have the same function in PAUSE mode. The SKIP function may also be used in STOP mode to select a track number. The selected track will play automatically shortly after the last key press.

The SCAN function is used to select a specific passage within a music track. While a disc is playing, pressing SKIP/SCAN ▶ or ◀ and holding it down continuously will cause the laser to scan rapidly forward (or backward) through the music. Snatches of music will be heard through the loudspeakers at a reduced volume level. If the SKIP/SCAN key is held down longer the player will scan faster, but there will be no sound from the loudspeakers.

It is not possible to SCAN back before the beginning of track 1, or SCAN forward after the end of the last track. The SCAN function does not operate in PAUSE mode.

REMOTE CONTROL HANDSET OPERATION

The MSR2 handset supplied with the Z112 has been ergonomically designed to be easy and comfortable to use. It will also control Myryad's Integrated Amplifiers, Preamplifiers, Tuners and DVD Players.

See the separate MSR2 System Remote User Manual for details of its use with these products.

Important. In order to use the MSR2 handset to control your Z112 you must first press the 'CD' input select button in the middle of the handset to switch it to 'CD/Amplifier' mode. The handset will remain in this mode until either the 'DVD' or 'TUN' key is pressed to change to DVD/Amp or Tuner/Amp mode respectively.

The functions available in 'CD mode' are described as follows.

Stop (■) and Open/Close (▲)

These two keys operate exactly as the front panel buttons with the same names.

Play (▶) and Pause (❚❚)

The handset has separate keys for PLAY and PAUSE. Pressing PLAY from STOP mode will cause the disc to start playing. Subsequent pressing of PLAY during PLAY mode will have no effect. If PAUSE is pressed during PLAY mode, then the player goes into PAUSE mode. Press PLAY to return to PLAY mode.

Skip ◀▶

The remote control SKIP ◀▶ keys carry out exactly the same SKIP function as the front panel keys, but they cannot perform the SCAN function.

Scan ◀▶

These keys allow direct access to the SCAN function which can also be accomplished by pressing and holding down one of the front panel SKIP/SCAN ◀▶ keys.

SHUFFLE

When in STOP mode, press the SHUFFLE key. The SHUFFLE icon will light at the bottom of the display and the disc will start to play in SHUFFLE mode – playing all the tracks on the disc in random order. In SHUFFLE mode, when any track ends, the remaining unplayed tracks are "shuffled" for about a second and a random new track selected. SHUFFLE mode can also be entered direct from normal PLAY mode – when pressing SHUFFLE will cause the player to jump immediately to a new, randomly selected, track.

Pressing SKIP ▶ in SHUFFLE mode will cause the player to shuffle and select the next new track. Pressing SKIP ◀ in SHUFFLE mode has no effect.

Pressing SHUFFLE again returns the player to normal operation. Pressing SCAN ▶ or ◀ in SHUFFLE mode will also cause the player to drop out of SHUFFLE mode and return to normal operation.

TIME

The TIME key controls what is shown in the time (MIN and SEC) section of the display when a disc is playing. During normal play and in pause mode the display shows the elapsed time of the track currently being played (see Figure 3). If TIME is pressed once, the remaining time of the current track is displayed. If TIME is pressed again, the remaining time of the whole disc is displayed. When remaining time is displayed, the time is preceded by a "–" sign. A third press of the TIME key returns the display to the normal indication of elapsed track time.

REPEAT

A single press of the REPEAT key puts the player into REPEAT 1 mode and the "REPEAT 1" icon will be illuminated at the bottom of the display. The currently playing track will play to the end and then be repeated - *ad infinitum*.

When the REPEAT key is pressed a second time, REPEAT ALL mode is engaged and the "REPEAT" icon will be illuminated at the bottom of the display. When the disc has played to the end it will immediately return to the first track and start playing again - *ad infinitum*.

A third press of the REPEAT key returns the player to normal operation.

Track number keys (0-9)

Direct access to any track is possible using the numbered keys on the remote handset. To play a specific track (e.g. track 26) press the track number keys "2" then "6". After the second key is pressed the player will play track 26. If only one key (e.g. key "2") is pressed, the player will pause briefly before playing track 2.

DIM (Calendar and Display Off)

The DIM key may be used to activate the track calendar or to switch the display off while a disc is playing. The first press of the DIM key will switch on the track calendar at the right hand side of the display. The track calendar displays the number of the current track and all the other tracks that have not yet been played – up to a maximum of 15. It can be particularly useful when programming, when it indicates only the numbers of the tracks already programmed.

A second press of the DIM key will switch the player into Display Off mode and turn the display off. A third press will turn the display on again. When the display is switched off, operation of any of the player's controls - on the front panel or remote control - will cause the display to switch on for about 2 seconds, before it switches off again.

If there is no disc playing (i.e. disc in STOP or PAUSE mode or no disc) the second press of the DIM key will not blank the display but it will still switch the player into Display Off mode – indicated briefly by "OFF" in the display. In this mode, when a disc is played the display will switch off after about 2 seconds. The Display Off mode can be cancelled at any time by pressing the DIM key again. If in STOP or PAUSE mode display will then briefly read "ON" to indicate the return to normal operation.

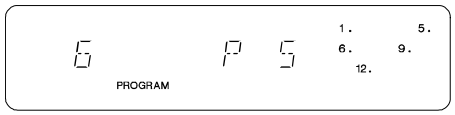
PROGRAM

An individual compilation of tracks may be played by using the PROGRAM function. Up to 16 tracks can be included in a program in any order - including repeats of the same track if desired. It is recommended that the track calendar be switched on during programming to make the operation easier to follow. The procedure for storing a program is as follows.

In STOP mode first press the PROGRAM key to enter Program mode. The small PROGRAM icon at the bottom of the display will start to flash. This indicates that the player is in Program Enter mode, waiting for a track number. Use the number keys on the remote control to enter the number of the first track to be programmed (one or two digits as necessary).

When the track number has been entered it will appear in the "track" section of the display, followed by "P 1", indicating that this is the first programmed track. Then proceed to enter the second track in the same manner. If you make an error, press the STOP button or the STOP key on the remote and the currently displayed programmed track will be deleted. Continue entering tracks, up to a maximum of 16, until your program is complete. The display will be similar to that shown in Figure 4.

Program mode (Figure 4)



If you now press PLAY (or PLAY/PAUSE) the PROGRAM icon will stop flashing and the programmed tracks will play, beginning with from program step 1.

Alternatively, if you press PROGRAM, the PROGRAM icon will stop flashing and the display will show the total number of tracks programmed, followed by the total time of the program. From this "Program Stop" state, you can add more tracks to your program by pressing PROGRAM to go back to Program Enter mode, or press Play or Play/Pause to play the programmed tracks.

Whilst playing a program the display will be the same as during normal play – except that the PROGRAM icon remains illuminated – and all the normal control functions can be used including Repeat and Repeat 1, but not Shuffle. The TIME key will switch the display between elapsed track time, remaining track time and *remaining program time*. If the SHUFFLE key is pressed the program is erased and the player immediately enters Shuffle mode.

If STOP is pressed during program play the player returns to the "Program Stop" state. If STOP is pressed again in the "Program Stop" state, then Program mode is deleted and the program erased. Pressing OPEN/CLOSE will also leave Program mode and delete the program.

Repeat A-B

This key allows a specified section of a track or disc to be repeated.

First play the CD until it reaches the desired start point and press the "A-B" key. A display icon will illuminate reading "REPEAT A -". Continue to play the disc until the desired end point is reached and press the "A-B" key again. The display will then read "REPEAT A-B" and the desired selection will be played repeatedly.

To cancel A-B repeat mode, press the "A-B" key once more, the "REPEAT A-B" icon will be switched off and normal play will resume.

Pressing either SKIP ◀▶ or SCAN ◀▶ automatically exits REPEAT A-B mode.

STANDBY

Pressing the STANDBY key sends the command to switch your Myryad Integrated Amplifier or Preamplifier into or out of standby. If the Z112 is My-Linked to the Integrated Amplifier or Preamplifier then it too will be switched into or out of standby.

It is also possible to switch *only* the Z112 into or out of standby by using the "CD STANDBY" command. Press and hold down the "CD" key (on the bottom row of the handset), then press the STANDBY key at the same time. This will switch the standby status of the Z112 without affecting any other unit.

SYSTEM OPERATION WITH SMART MY-LINK®

When used as a linked system (which must include a Smart My-Link® equipped Integrated Amplifier or Preamplifier) Myryad products equipped with Smart My-Link® have a number of extra features that make the system as a whole easier and quicker to use than a normal hi-fi. These include:

Start-on-Play (CD)
Press play on the CD player (or the remote control) and both the CD player and amplifier will switch out of standby (if necessary) and play the CD. The amplifier will automatically select the CD source.

Start-on-Open (CD)
Press open/close on the CD player (or the remote control) and both the CD player and amplifier will switch out of standby (if necessary) and the CD drawer will open. The amplifier will automatically select the CD source.

Intelligent Input Selection (Amplifier)
Press a source select button on the remote control and the system will awaken only the amplifier and the selected source (if in standby).

Mute/Pause Control (Amplifier/CD)
When using the CD player, selecting mute from the remote control will mute the amplifier and pause the CD. When the amplifier mute is cancelled, the CD will continue playing.

Power-Saving Mode (Amplifier)
The amplifier will switch the CD Player or Tuner into standby if either source remains unselected for more than ten minutes.

Automatic Switch-On (CD/Tuner)
If the standby button on the Tuner or CD player is pressed, the amplifier will also awaken and select the correct source.

CARE AND HANDLING OF COMPACT DISCS

- Fingerprints and dust should be carefully wiped off the disc's signal surface (shiny side) with a soft cloth. Unlike vinyl records, the CD has no grooves to collect microscopic debris, so gentle wiping with a soft cloth should remove most particles. Wipe in a straight motion from the inside to the outside of the disc. Small dust particles and light stains should have absolutely no effect on reproduction quality.
- Never use chemicals such as record sprays or fluid, benzene or other solvents to clean CDs. Such chemicals will irreparably damage the disc's plastic surface.
- Discs should be returned to their case after use to avoid serious scratches that could cause the laser pickup to skip.
- Do not expose discs to direct sunlight, high humidity or high temperatures for extended periods. Long exposure to high temperatures can warp the disc
- Do not stick paper or write anything with a ball-point pen on the disc surface.

INSTALLING AND REPLACING BATTERIES

The remote handset uses two 1.5 V type AAA batteries. To fit new batteries first open the battery compartment at the base of the handset and remove any existing batteries. Fit the new ones as directed by the symbols moulded inside the battery compartment, then replace the battery compartment cover.

The batteries should always be removed if they are discharged (indicated by no remote control operation or by operation only at very short range), or if the remote control is not going to be used for an extended period.

TROUBLE-SHOOTING GUIDE

Some of the most common problems:

No sound:
- Power turned off or system in standby mode. Check that the LED by the STANDBY button is illuminated blue.
- Amplifier source selection incorrect. Check that CD is selected.
- UK version only: The fuse in the mains plug has failed. Check and replace if necessary.

Disc does not PLAY:
- No CD is inserted. Insert a CD, label side up.
- The CD has been loaded upside down. Re-load the disc label side up.
- The CD is badly scratched or dirty. Check the CD and clean or replace as necessary.

The CD skips part of the music:
- The CD is badly scratched or dirty. Check the CD and clean or replace as necessary.

Sound in one channel only:
- Interconnect cable pulled loose or making poor contact. Check and, if necessary, un-plug and re-plug all cables.

Loud buzz or hum:
- Interconnect cable pulled partially out of its socket.
- Defective interconnect cable.

Incorrect operation - some functions not working:
- Control processor latched. Switch off POWER on rear panel and wait for at least one minute. Then switch POWER on and switch out of standby. Normal operation should resume.

For further help please visit the Myryad website at: **www.myryad.co.uk**

SPECIFICATIONS

Disc capacity	120 or 80mm
Digital-to-Analogue Converter.	24 bit / 192kHz fifth-order Delta-Sigma
Frequency Response	<± 0.5dB (20Hz – 20kHz)
THD	0.0025% (1kHz)
Signal-to-Noise Ratio	105dB (A weighted)
Channel Separation	.>80 dB (20Hz – 20kHz)
Output Level at 0 dB	2.3Vrms
Output Impedance.	240 Ohms
Digital Code Output	Coaxial 75Ω, to SPDIF standard

Physical Specification

Dimensions (width x height x depth)	436 x 78 x 286mm
Weight, Net.	5.3 kg

HOME ELECTRONICS

Stortford Hall Industrial Park, Dunmow Road
Bishops Stortford, Hertfordshire, CM23 5GZ

www.armourhe.co.uk

This symbol means do not dispose of as municpal waste. Re-use or recycle wherever possible. Electrical/Electronic Equipment may contain substances harmful to the environment. For environmentally sound methods of disposal, please contact your local government agency.

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